

CLAIM AMENDMENTS

Please cancel claims 2-4, 11, and 20-22 without prejudice or disclaimer.

Please amend claims 1, 10, 16, and 19 as follows.

1. (Currently Amended) A method, comprising:

receiving an allowed amount of target traffic representing a first value and a second value representing a time interval during which to receive the allowed amount of target traffic, the first value and the second value defining a percentage of target traffic allowed through a port, the port having a port speed;

determining that port speed changed by a factor of N ;

scaling the second value by a factor of $1/N$, respectively; [[and]]

based on the allowed amount of target traffic and the scaled second value,

dropping target traffic when a percentage of target traffic exceeds a defined percentage of target traffic allowed through the port;

selecting a clock from a set of clocks based on determining that port speed

changed;

receiving the selected clock and incrementing a counter using the selected clock

comparing an output of the counter to the second value; and

when the counter output is equal to the second value generating the scaled second

value.

Claims 2-4. (Canceled).

5. (Original) The method of claim 1, further comprising receiving an indication that port speed changed from a media access controller (MAC).

6. (Original) The method of claim 1, further comprising:

comparing an amount of target traffic to the allowed amount of target traffic; and

causing a status flag to be set when the amount of target traffic and the allowed amount of target traffic are equal.

7. (Original) The method of claim 6, further comprising dropping target traffic until the time interval represented by the scaled second value has elapsed.
8. (Original) The method of claim 7, further comprising permitting target traffic through the port after the time interval represented by the scaled second value has elapsed.
9. (Original) The method of claim 1, further comprising receiving the first value representing an allowed amount of broadcast, multicast, or destination unknown traffic.
10. (Currently Amended) An apparatus, comprising:
 ~~controller logic~~ to receive an allowed amount of target traffic representing a first value and a second value representing a time interval during which to receive the allowed amount of target traffic, the first value and the second value defining a percentage of target traffic allowed through a port, the port having a port speed, the logic further to:
 determine that port speed changed by a factor of N,
 scale the second value by a factor of $1/N$, respectively, and
 based on the allowed amount of target traffic and the scaled second value, to drop target traffic when a percentage of target traffic exceeds a defined percentage of target traffic allowed through the port;
 a controller to receive an indication that port speed changed;
 a selector to select a clock from a set of clocks based on the indication that port speed changed;
 a counter to receive the selected clock and to increment at a clock rate; and
 a comparator to compare an output from the counter to the second value, and
 when the counter output is equal to the second value, to generate the scaled second value.
11. (Canceled).
12. (Previously Presented) The apparatus of claim 10, wherein the controller is further to:
 compare an amount of target traffic to the allowed amount of target traffic; and

cause a status flag to be set when the amount of target traffic and the allowed amount of target traffic are equal.

13. (Previously Presented) The apparatus of claim 12, wherein the controller is further to cause the status flag to be reset after the time interval represented by the scaled second value has elapsed.

14. (Previously Presented) The apparatus of claim 13, wherein the controller is further to permit target traffic through the port after the status flag is reset.

15. (Original) The apparatus of claim 10, wherein the first value represents an allowed amount of broadcast, multicast, or destination unknown traffic.

16. (Currently Amended) A system, comprising:

~~controller logic~~ to receive an allowed amount of target traffic representing a first value and a second value representing a time interval during which to receive the allowed amount of target traffic, the first value and the second value defining a percentage of target traffic allowed through a port, the port having a port speed, the logic further to determine that port speed changed by a factor of N, to scale the second value by a factor of $1/N$, respectively, and based on the allowed amount of target traffic and the scaled second value, to drop target traffic when a percentage of target traffic exceeds the defined percentage of target traffic allowed through the port, a controller to receive an indication that port speed changed, a selector to select a clock from a set of clocks based on the indication that port speed changed, a counter to receive the selected clock and to increment at a clock rate, and a comparator to compare an output from the counter to the second value, and when the counter output is equal to the second value, to generate the scaled second value; and

a twisted pair cable to couple target traffic to the port.

17. (Original) The system of claim 16, wherein the twisted pair cable is a UTP twisted pair cable.

18. (Original) The system of claim 16, wherein the twisted pair cable is a STP twisted pair cable.

19. (Currently Amended) An article of manufacture, comprising:

a computer readable medium encoded with computer executable instructions that when accessed by a computer, cause the computer to perform the operations comprising:

receiving an allowed amount of target traffic representing a first value and a second value representing a time interval during which to receive the allowed amount of target traffic, the first value and the second value defining a percentage of target traffic allowed through a port, the port having a port speed;

determining that port speed changed by a factor of N;

selecting a clock from a set of clocks based on determining that port speed
changed;

receiving the selected clock and incrementing a counter using the selected
clock;

comparing an output of the counter to the second value;

when the counter output is equal to the second value generating a scaled
second value by scaling the second value by a factor of 1/N, respectively; and

based on the allowed amount of target traffic and the scaled second value,
dropping target traffic when a percentage of target traffic exceeds the defined percentage of target traffic allowed through the port.

Claims 20-22. (Canceled).

23. (Previously Presented) The article of manufacture of claim 19, wherein the computer readable medium is further encoded with computer executable instructions that cause the machine to perform operations comprising:

comparing an amount of target traffic to the allowed amount of target traffic; and

causing a status flag to be set when the amount of target traffic and the allowed amount of target traffic are equal.

24. (Previously Presented) The article of manufacture of claim 23, wherein the computer readable medium is further encoded with computer executable instructions that cause the machine to perform operations comprising dropping target traffic until the time interval represented by the scaled second value has elapsed.

25. (Previously Presented) The article of manufacture of claim 24, wherein the computer readable medium is further encoded with computer executable instructions that cause the machine to perform operations comprising permitting target traffic through the port when the time interval represented by the scaled second value has elapsed.